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MFIC/TSG/WD-264-70  
28 October 1970

**MEMORANDUM FOR:** Deputy Chief, Research & Engineering Division, TSG

**SUBJECT :** Proposal Evaluation Request by TSD

**REFERENCE :** Final Report of Study for Implementing a System for Graphological Analysis by Information International Incorporated, ORD 6009-70, dated 27 August 1970

1. On 28 October I was visited by [redacted] of TSD who requested our evaluation of the reference. [redacted] extension [redacted] (Applied Physics Branch).

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2. The referenced report contains a proposal for the development of a digitized mensuration system employing an opaque copy rear projection viewer--intended for the analysis of handwriting. It is apparent that the original copy of the handwriting sample must be used for the analysis. Consequently, the device must project the image of an opaque original by reflected illumination. The device is to have an 8½" x 11" copy stage with a glass hold down. It employs banks of fluorescent lights for illumination and three different lenses for 2X, 4X, and 10X magnification. The screen size is 22" high by 34" wide. Wires behind the screen are used as a movable reticle for the purpose of identifying and measuring relative positions of points of interest to the analytical process. The means for controlling the reticle position through the use of a [redacted] tablet is unique, to say the least, and although I believe we might have had some useful alternatives to offer at an earlier stage in this project, I became convinced from talking to [redacted] that it would be fruitless to suggest a different system at this time. I do believe we can be of some assistance in evaluating the following:

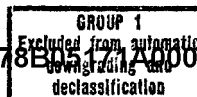
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- a. Illumination System
- b. Projection Lenses and
- c. Rear Projection Screen

I have already introduced him to [redacted] and they have already discussed screen technology at some length. I also invited him to visit [redacted] to view their screens with us on the 18th of November.

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3. I am turning over this request to you for appropriate assignment and level of effort determination. The sort of thing [redacted] is looking for is a brief memorandum citing any significant reservations we have, or changes we might suggest, that would not disrupt the project. For instance, we might materially improve on the lenses selected for the various magnifications. In order to be any benefit to him, we should provide this information in no more than two weeks.

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[redacted]  
Special Assistant for Plans & Applications, RED

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